REMARKS

Applicants submit this Preliminary Amendment, accompanied by a national-phase entry under 35 U.S.C. § 371.

In this Preliminary Amendment, Applicants add section headings, section subheadings, and an Abstract of the Disclosure to conform to U.S. practice. Additionally, Applicants amend the title and add claims to the right of priority and benefit. Further, Applicants cancel, without prejudice or disclaimer, claims 1-18, and add new claims 19-36, which include the same subject matter as the original claims, to improve clarity.

Before entry of this Preliminary Amendment, claims 1-18 were pending in this application. After entry of this Preliminary Amendment, claims 19-36 are pending in this application.

The originally-filed specification, claims, abstract, and drawings fully support the amendments to the title and specification and the addition of the Abstract of the Disclosure and new claims 19-36. No new matter was introduced.

If there is any fee due in connection with the filing of this Preliminary Amendment, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: September 23, 2004

By: _____
Lawrence F. Galvin
Reg. No. 44,694

ABSTRACT OF THE DISCLOSURE

A method for monitoring instantaneous behavior of a tire in a rolling condition includes acquiring and storing at least one reference curve representing an acceleration profile of at least one specified point of the tire as a function of its position during at least one portion of a revolution of the tire; continuously acquiring signals of acceleration of the at least one point; deriving from the signals of acceleration at least one cyclic curve of acceleration of the at least one point; comparing the at least one cyclic curve with the at least one reference curve; and emitting a signal depending on the comparison that indicates the instantaneous behavior of the tire. The at least one reference curve represents the acceleration profile in at least two directions, including two or more of a centripetal direction, a tangential direction, and a lateral direction. A related system and tire are also disclosed.